Selecting a Science Bowl Team

Selection for your Science Bowl Team can be difficult. Each student should be knowledgeable in all of the 8 discipline areas. However, the more successful teams have students that are more specialized in different areas. For example: Student "A" might be better at math and computer science than the rest of his /her team. Student "B" might be better at physics and astronomy than the rest of his /her team. This will give your team a good balance with an "expert" in each of the 8 disciplines. It is also a good idea to have a few grade levels represented, not just seniors. By breaking up your team (3-4 juniors and/or seniors and 1-2 freshmen and/or sophomores) you will still have some veterans this year while giving a few rookies the necessary experience to carry your team next year. Some teachers let the students vote for teams members based on knowledge, performance, and attendance. Others hold practice competitions to determine the team. It is ultimately up to you, so choose your team wisely.

Strategies for Success

- Make a Schedule for Practice Sessions
- Know the Rules and Game Playing Strategies
- Establish Team Goals
- Practice, Practice, Practice
- Use a Lock-out Buzzer System
- Keep it Fun

Registration Fee

- $30.00 per team
- Half refundable a month or two after the competition
- Make checks out to Arizona Regional Science Bowl

Mail registration materials and check to:

Arizona Regional Science Bowl
Attn: Dennis M. Schaefer
615 S. 43rd Ave.
Phoenix, AZ 85005-6457

Resources

Lock-out Buzzer System
Can be loaned out *from*
Western Area Power Administration
Attn: Science Bowl Coordinator
Dennis Schaefer
615 South 43rd Avenue
Phoenix, AZ 85005
602-352-2521
602-352-2630 fax

Purchased *from* Quizzer Limited
P.O. Box 8685

Madison, WI 53708
608-242-8505 or 800-688-7849

Sample Questions
http://www.scied.science.doe.gov/nsb/samplqs.htm

Reference Books

TITLE	AUTHOR	PUBLISHER
BIOLOGY		
The Living Science	Miller-Levine	Prentice Hall
Human Biology	Chiras	Jones and Bartlett
Biology-The Web of Life	Strauss-Lisowski	Addison-Wesley
PHYSICS		
Contemporary College	Jones-Childers	McGraw-Hill Physics
College Physics 3rd	Wilson-Buffa	Prentice Hall
Conceptual Physical	Hewitt-Suchocki-Hewitt	Addison-Wesley Science
MATHEMATICS		
The Harper Collins Mathematics Dictionary	E.J. Borowski & J .M. Borwein	Harper Collins Publishing
Calculus	Farrand-Poxon	Harcourt Brace
Physics: Algebra/Trig	Hecht	ITP
CHEMISTRY		
Chemistry	Harold Nathan	IDG
Organic Chemistry	Frank Pellegrini	IDG
General Chemistry	Umland & Bellama	IDP
EARTH		
Environmental Science	Nebel- Wright	Prentice Hall
Earth Then & Now	Montgomery-Dathe	McDraw-Hill
Physical Geology	Mark Crawford	IDG
COMPUTER		
Microsoft Press Computer Dictionary		Located in any bookstore
Webster's Dictionary Computer Terms		Located in any bookstore
Computers Simplified	Ruth Mann	ID
ASTRONOMY		
In Quest of the Universe	Karl F. Kuhn	Jones & Bartlett
Horizons - Exploring the Universe	Michael A. Seeds	ITP
The Cosmic Perspective	Bennet-Donahue	Addison-Wesley
GENERAL		
Living in the Environment	G. Tyler Miller, Jr.	ITP
Asking about Life	Tobin & Dusheck	Harcourt
The NY Public Library	Macmillan	Located in any bookstore Science Desk Reference